

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A method of transferring data from a handheld device comprising the steps of:

a) forwarding information to an exchange manager, said information having associated therewith a Uniform Resource Locator (URL) string containing an identified transport mechanism for communicating said information and also a destination for said information, said step a) performed by an application resident on said handheld device;

b) in response to said identified transport mechanism of said URL, said exchange manager referencing an exchange library associated with said identified transport mechanism from a plurality of exchange libraries, wherein said exchange library defines a communication protocol for said identified transport mechanism and wherein said exchange manager supports a plurality of communication protocols; and

c) communicating said information to a system, identified by said destination, that is external to said handheld device using said communication protocol, said step c) performed by said identified transport mechanism.

2. (Previously Presented) A method as described in Claim 1 wherein said handheld device is a palmtop computer system comprising: a processor coupled to a bus; a memory unit coupled to said bus; a screen coupled to said bus; and a plurality of transport mechanisms.

3. (Original) A method as described in Claim 1 wherein said plurality of communication protocols comprise: an Internet protocol; an email protocol; an infrared beaming protocol; and a radio frequency protocol.

Appl. No. 09/598,668
Amdt. Dated April 23, 2004
Reply to Office Action of February 9, 2004

4. (Original) A method as described in Claim 3 wherein said plurality of communication protocols further comprise a synchronization protocol.

5. (Original) A method as described in Claim 1 wherein said information is a data file.

6. (Original) A method as described in Claim 1 wherein said information is an application program.

7. (Original) A method as described in Claim 1 wherein said step a) comprises the steps of:

a1) provided said application does not define said identified transport mechanism, obtaining a URL definition of said identified transport mechanism from a user; and

a2) provided said application does not define said destination, obtaining a URL definition of said destination from said user.

8. (Amended) A system for transferring data from a handheld device comprising:

a) an application resident on said handheld device, said application for forwarding information to an exchange manager, said information having associated therewith a Uniform Resource Locator (URL) string containing an identified transport mechanism for communicating said information and also a destination for said information;

b) in response to said identified transport mechanism of said URL, said exchange manager for referencing an exchange library associated with said identified transport mechanism from a plurality of exchange libraries, wherein said exchange library defines a communication protocol for said identified transport mechanism and wherein said exchange manager supports a plurality of communication protocols and comprises a plurality of exchange libraries; and

c) said identified transport mechanism for communicating said information to a system, identified by said destination, that is external to said handheld device using said communication protocol.

9. (Previously Presented) A system as described in Claim 8 wherein said handheld device is a palmtop computer system comprising: a processor coupled to a bus; a memory unit coupled to said bus; a screen coupled to said bus; and a plurality of transport mechanisms.

10. (Original) A system as described in Claim 8 wherein said plurality of communication protocols comprise: an Internet protocol; an email protocol; an infrared beaming protocol; and a radio frequency protocol.

11. (Original) A system as described in Claim 10 wherein said plurality of communication protocols further comprise a synchronization protocol.

12. (Original) A system as described in Claim 8 wherein said information is a data file.

13. (Original) A system as described in Claim 8 wherein said information is an application program.

14. (Original) A system as described in Claim 8 wherein said exchange manager is also for obtaining a URL definition of said identified transport mechanism from a user provided said application does not define said identified transport mechanism; and wherein said exchange manager is also for obtaining a URL definition of said destination from said user provided said application does not define said destination.

15. (Currently Amended) A method of receiving data by a handheld device comprising the steps of:

a) receiving a file of information over the Internet from a source external to said handheld device and based on a Uniform Resource Locator (URL) string associated with said file, said file having associated therewith a data type, said step a) performed by said handheld device;

Appl. No. 09/598,668
Amdt. Dated April 23, 2004
Reply to Office Action of February 9, 2004

b) in response to said file being received, an exchange manager identifying an application for said file based on said data type of said file and an application registry; and

c) converting a data format of said file to a format specific to said application; and

d) storing said file in memory and associating said file with a dataset associated with said application.

16. (Original) A method as described in Claim 15 wherein said handheld device is a palmtop computer system comprising: a processor coupled to a bus; a memory unit coupled to said bus; a screen coupled to said bus; and a plurality of communication mechanisms.

17. (Original) A method as described in Claim 15 wherein said exchange manager supports a plurality of communication protocols comprising: an Internet protocol; a file transfer protocol; and an email protocol.

18. (Original) A method as described in Claim 17 wherein said plurality of communication protocols further comprise a synchronization protocol.

19. (Original) A method as described in Claim 15 wherein said file is a data file.

20. (Original) A method as described in Claim 15 wherein said file is an application program.

21. (Original) A method as described in Claim 15 wherein said step a) comprises the steps of obtaining an application identification from a user provided said file does not identify an application.